Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Tuesday 28 Feb 2023 until 23:59 on Wednesday 01 Mar 2023

Forecast Issued on Tuesday 28 Feb 2023 at 02:32

Confidence: High for general developments, but Medium for cloud details.

Headline for Tuesday 28 Feb 2023: Rather cloudy. Chilly northeast winds. Occasional showers, wintry over the summits.

Mountain weather hazards on Tuesday 28 Feb 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sleet	Cloudy	Light snow	Dull	Light snow	Dull
Precipitation probability					
30%	20%	30%	20%	30%	20%

Forecast for Tuesday 28 Feb 2023

Weather: Rather cloudy with occasional showers, these wintry over the summits. Best of any brighter conditions over the Western and Southwestern Fells.

Chance of cloud-free hill tops above 800m: 20% east, 50% west

Low cloud and visibility: Occasional or extensive cloud, base around 600m, perhaps nearer 900m in the west. Visibility moderate to very poor in cloud and showers, otherwise very good.

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Forecast for Tuesday 28 Feb 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	20/23 N	23/28 NE	22/28 NE	25/32 NE	28/34 NE	28/35 NE	25/32 NE
600	14/17 N	17/21 NE	19/25 NE	21/28 NE	21/28 NE	22/29 NE	19/26 NE
300	6/16 N	8/19 N	10/22 N	11/25 NE	9/23 NE	9/24 NE	8/22 NE
Valley	6/17 N	6/17 NE	9/20 NE	10/22 NE	9/22 NE	13/27 NE	11/24 NE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-1/-8	-1/-9	-1/-8	-1/-8	-1/-8	-1/-9	-2/-9
600	1/-4	1/-5	1/-5	2/-4	2/-5	1/-5	1/-5
300	3/0	4/1	4/1	5/1	4/1	4/0	3/-0
Valley	5/3	6/4	7/4	7/4	6/4	6/2	6/2
Freezing Level*	700m	700m	800m	800m	800m	700m	700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Freezing level nearer 900m at times during the day.

Forecast for Wednesday 01 Mar 2023

Weather: A similar day with rather cloudy skies and occasional showers, wintry over the summits. Best of the brighter spells in the west and southwest of the park. Chilly northeast winds.

Maximum wind: Northeast 15 to 20mph gusting 30mph.

Chance of cloud-free hill tops above 800m: 20% east, 50% west

Low cloud and visibility: Occasional or extensive cloud, base around 600m, perhaps nearer 900m in the west. Visibility moderate to very poor in cloud and showers, otherwise very good.

Temperature: **Valleys:** Plus 3 Celsius rising to 8 Celsius
At 800m: Minus 1 Celsius rising to Plus 2 Celsius during the day
Freezing level: 600m rising to 1000m during the day.

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Ground Conditions Supplement

Date: Monday 27 February 2023 Location: Helvellyn summit at 12:05 Full report: There was a thin layer of fresh snow on the very highest Lake District summits this morning which had settled down to approximately 750m. However this was rapidly thawing throughout the day as the freezing level rose above the summits. The few old snow patches from January have refrozen and were hard and icy. These can be found on steep N through E aspects above 900m and walkers are very unlikely to come across them. The new snow was only a couple of centimetres deep combined with a lot of rime ice and was spread fairly evenly across the summits in the light winds. Full winter clothing (warm and waterproof) including hats and gloves, a map, compass, and headtorch are all essential for anyone venturing onto the fells. Crampons and an ice axe are generally not required but carrying microspikes is strongly recommended. Temperature: minus 1.2 C, Maximum wind speed 24.6 mph, Wind chill: minus 10.2 C, Average wind speed: 22.3 mph

Issued at: 02:32 on Tue 28 Feb 2023

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